

CLAIMS

What is claimed is:

- 1 1. A printed circuit board (PCB) comprising:
 - 2 a substrate having a first edge portion and including a ground layer therein;
 - 3 a substantially U-shaped device secured to said PCB to provide a cover for said first edge
 - 4 portion; and
 - 5 connection means for electrically coupling said substantially U-shaped device to said
 - 6 ground layer within said substrate, said substantially U-shaped device substantially
 - 7 preventing electromagnetic radiation from being emitted from said first edge portion.
- 8 2. The PCB of claim 1 wherein said substantially U-shaped device is flexible.
- 9 3. The PCB of claim 1 wherein said substantially U-shaped device comprises first and
- 10 second substantially L-shaped parts.
- 1 4. The PCB of claim 3 wherein one of said L-shaped parts includes a cavity therein and the
- 2 other of said L-shaped parts is movably positioned within said cavity.
- 3 5. The PCB of claim 3 wherein one of said L-shaped parts includes a cavity therein and the
- 4 other of said L-shaped parts includes a compressible projecting part adapted for being
- 5 compressibly retained within said cavity.
- 6 6. The PCB of claim 1 wherein said substantially U-shaped device is of unitary construction.

- 1 7. The PCB of claim 6 further including at least one conductive plate movably positioned
2 within said substantially U-shaped device to be electrically coupled to said ground layer
3 within said PCB.
- 1 8. The PCB of claim 7 further including means for engaging said at least one conductive
2 plate to cause said plate to move within said substantially U-shaped device.
- 1 9. The PCB of claim 8 wherein said means for engaging said at least one conductive plate
2 comprises a screw.
- 1 10. The PCB of claim 8 wherein said conductive plate further includes a wedge-shaped
2 member which movably engages said substantially U-shaped device during said
3 movement within said device.
- 1 11. The PCB of claim 1 wherein said PCB further includes electrically conductive vias or
2 plated through holes (PTHs) as part thereof and coupled to said ground layer, said
3 connection means including a plurality of projecting pins adapted for electrically
4 contacting said conductive vias or said PTHs when said substantially U-shaped device is
5 secured to said PCB.
- 1 12. The PCB of claim 11 wherein said projecting pins are press-fit or compliant pins.
- 1 13. The invention of claim 1 wherein said PCB is adapted for being positioned within a rack
2 or chassis, said PCB including means for electrically coupling said substantially
3 U-shaped device to said rack or chassis.
- 1 14. The invention of claim 13 wherein said means for electrically coupling said substantially
2 U-shaped device to said rack or chassis comprises a projecting ledge, said projecting
3 ledge adapted for slidably engaging said rack or chassis.

- 4 15. The invention of claim 14 wherein said projecting ledge is electrically coupled to said
5 connection means.
- 1 16. The PCB of claim 1 wherein said substantially U-shaped device is secured to said PCB by
2 adhesive.

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